

# MATHEMATICS

Year 12

The content that you study during your mathematics lessons is as follows;

## **Pure mathematics**

Algebraic methods  
Functions and graphs  
Sequences and series  
Binomial expansion  
Radians  
Trigonometric functions  
Trigonometry and modelling  
Parametric equations  
Differentiation  
Numerical methods  
Integration  
Vectors

## **Statistics**

Regression, correlation and hypothesis testing  
Conditional probability  
The normal distribution

## **Mechanics**

Moments  
Forces and friction  
Projectiles  
Applications of forces  
Further kinematics

## **Examination Board:**

Edexcel

## **Assessment Structure:**

Three examinations will take place at the end of year 13 (2 pure papers, 1 statistics/mechanics paper).

## **Subject specific websites to support revision and independent learning:**

Mymaths  
FMSP website  
Edexcel website (past papers and mark schemes)  
Youtube

## **Recommended subject guides:**

CGP A level maths year 1 & 2 complete revision and practise book (Edexcel) ISBN-13 9781782948087

